

Goals of Blockchain-based HIT Solutions		Framework Assessment							
		Zachman Framework	HCI	Technology – centric Framework	TQM	EFQM	Performance Pyramid	Performance Prism	Balance Score Card
Improve patient access to data generated by mobile Health and related technologies	<ul style="list-style-type: none"> <li>Customer service</li> <li>Business IT Systems &amp; Infrastructure</li> <li>Regulatory requirements compliance</li> </ul>	<ul style="list-style-type: none"> <li>Evaluates business-IT alignment in detail.</li> <li>Lacks an external perspective</li> </ul>	<ul style="list-style-type: none"> <li>Supports the development of intuitive and interactive systems.</li> <li>Does not include external and financial perspectives.</li> </ul>	<ul style="list-style-type: none"> <li>Considers organization, technology and process simultaneously rather than in an isolated manner.</li> </ul>	<ul style="list-style-type: none"> <li>Integrates the performance management and control systems</li> <li>Focuses more on the internal processes of systems used in organizations, the concept of empowering people [63].</li> </ul>	<ul style="list-style-type: none"> <li>Is used to carry out self-assessment as a benchmark of the organization's position among competitors.</li> </ul>	<ul style="list-style-type: none"> <li>Builds four levels that link corporate strategy, strategic business unit and operation.</li> </ul>	<ul style="list-style-type: none"> <li>Focuses on the involved stakeholders through five perspectives: satisfaction, strategies, processes, capabilities, and contributions.</li> </ul>	<ul style="list-style-type: none"> <li>Enables performance measurement of financial and non-financial perspectives of a given strategic initiative.</li> </ul>
Engage patients in clinical research.	<ul style="list-style-type: none"> <li>Customer engagement</li> <li>Internal operations</li> <li>External partnerships</li> <li>Regulatory requirements compliance</li> </ul>	<ul style="list-style-type: none"> <li>Lacks a holistic governance framework with an integrative measurement methodology.</li> </ul>	<ul style="list-style-type: none"> <li>No explicit consideration of inter-relationships between each of the area impacted.</li> </ul>	<ul style="list-style-type: none"> <li>More emphasis on the technology aspect with lesser emphasis on other resources used in creating value.</li> </ul>	<ul style="list-style-type: none"> <li>“TQM does not consider employees’ satisfaction in its search for continuous improvement, but the BSC does.” [63]</li> </ul>	<ul style="list-style-type: none"> <li>Assesses performance against a standard set of activities or generic “best practices”.</li> </ul>	<ul style="list-style-type: none"> <li>In the use of strategic map, it is less effective than the BSC [64].</li> </ul>	<ul style="list-style-type: none"> <li>Neglects issues such as how the performance measures can be realized, and therefore, little consideration is given to the processes of designing the system [65].</li> </ul>	<ul style="list-style-type: none"> <li>Defines and assesses performance against operational metrics for each of the perspective to provide a holistic overview.</li> </ul>
Enable interoperability within an API context	<ul style="list-style-type: none"> <li>Business IT Systems &amp; Infrastructure</li> <li>External partnerships</li> <li>Regulatory requirements compliance</li> </ul>	<ul style="list-style-type: none"> <li>No explicit consideration of inter-relationships between each of the area impacted.</li> </ul>		<ul style="list-style-type: none"> <li>Does not consider the internal, external, customer perspectives distinctively, thereby affecting the clarity of the impact of disruptive technology on each perspective.</li> </ul>		<ul style="list-style-type: none"> <li>Lacks focus on strategy.</li> </ul>	<ul style="list-style-type: none"> <li>The success map of the Pyramid Performance is more difficult to understand than the strategy map of BSC [64].</li> </ul>		
Simplify the documentation and quality measure process	<ul style="list-style-type: none"> <li>Internal operations</li> <li>Regulatory requirements compliance</li> </ul>								
Increase transparency of the supply chain	<ul style="list-style-type: none"> <li>Internal operations</li> <li>External partnership</li> <li>Regulatory requirements compliance</li> </ul>								
Simplify the credentialing and documentation process	<ul style="list-style-type: none"> <li>Internal operations</li> <li>Regulatory requirements compliance</li> </ul>								